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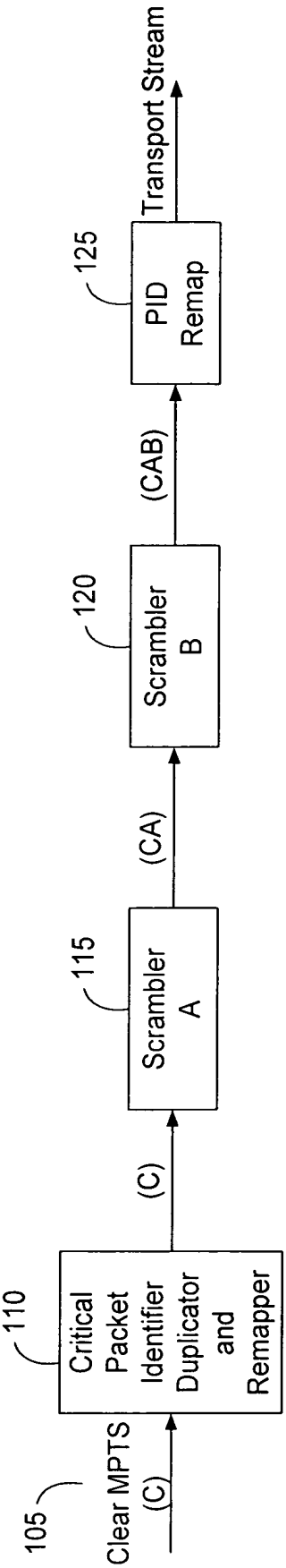

FIG. 1
(Prior Art)

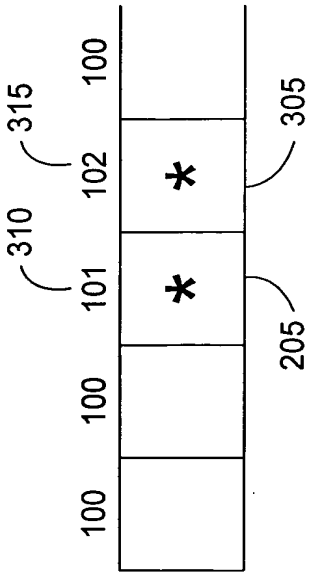

FIG. 3
(Prior Art)

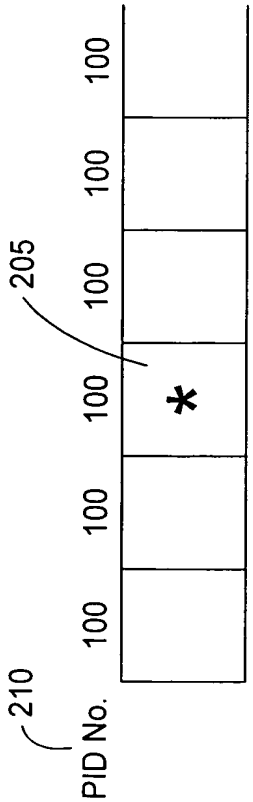

FIG. 2
(Prior Art)

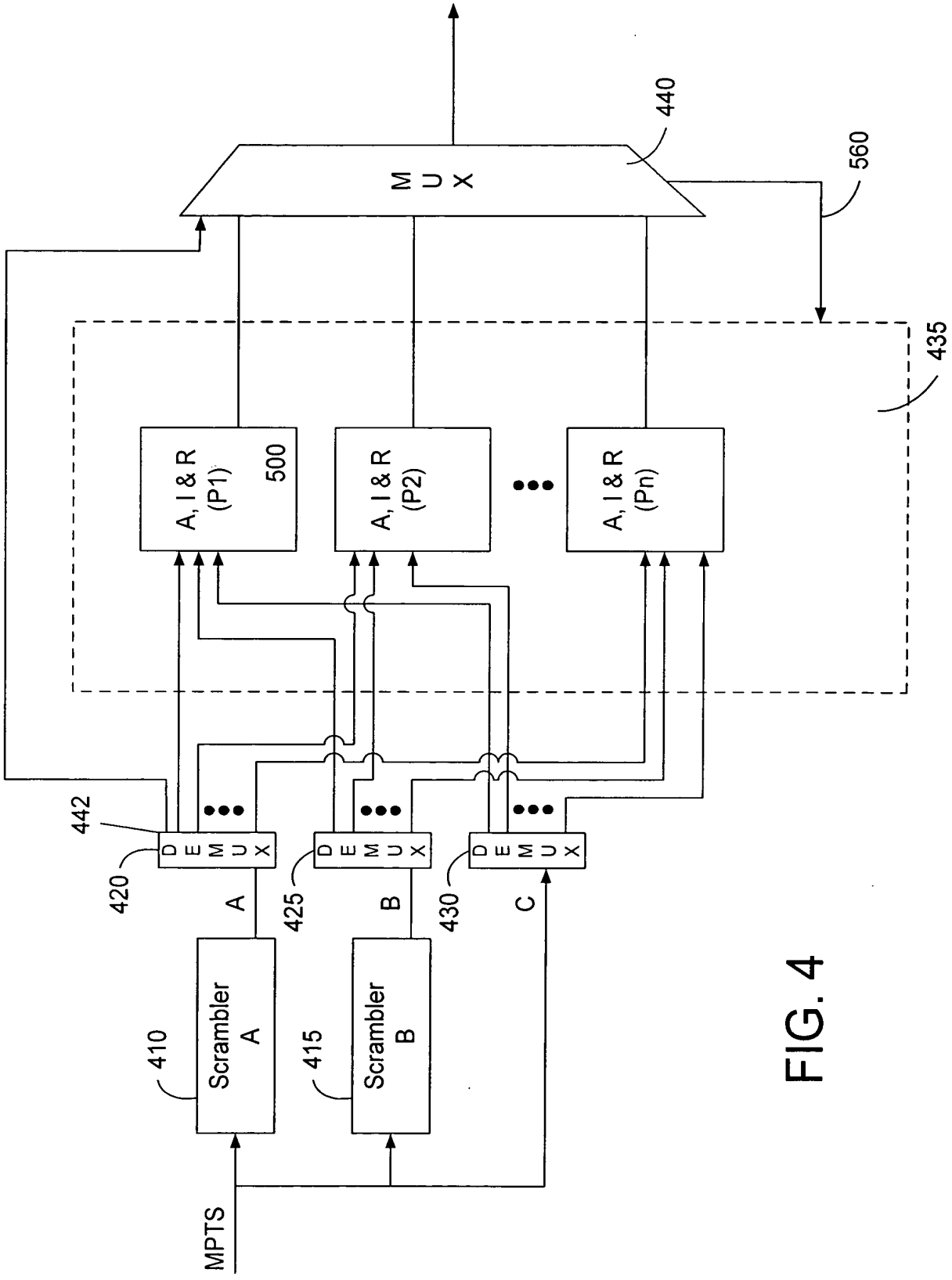
MUX
440
560
435
A, I & R (P1)
500
A, I & R (P2)
A, I & R (Pn)
442
DEMUX
420
425
430
A
B
C
Scrambler A
410
Scrambler B
415
MPTS

FIG. 4

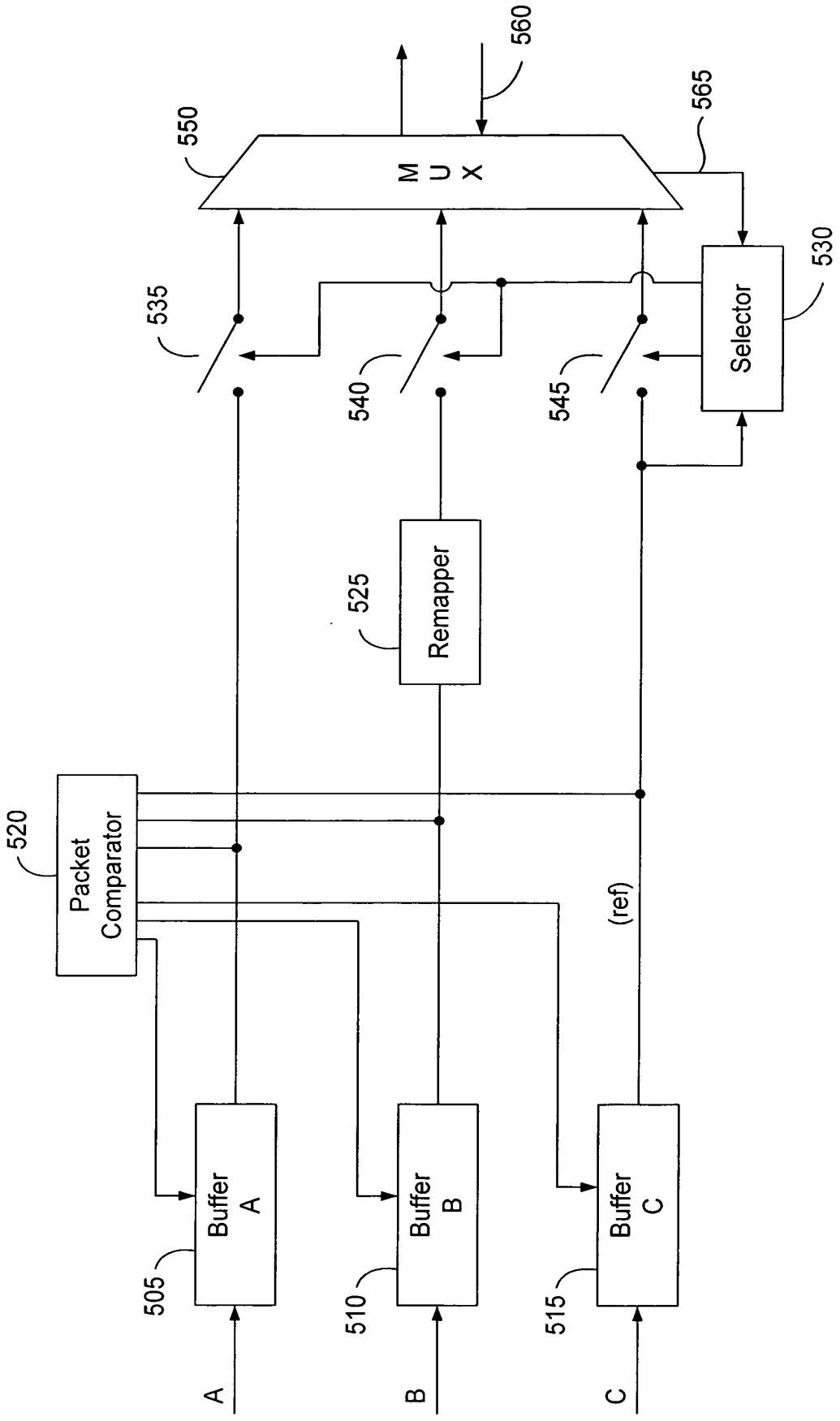
500
560
565
550
MUX
530
Selector
535
540
545
525
Remapper
520
Packet Comparator
(ref)
Buffer A
Buffer B
Buffer C
505
510
515
A
B
C

FIG. 5

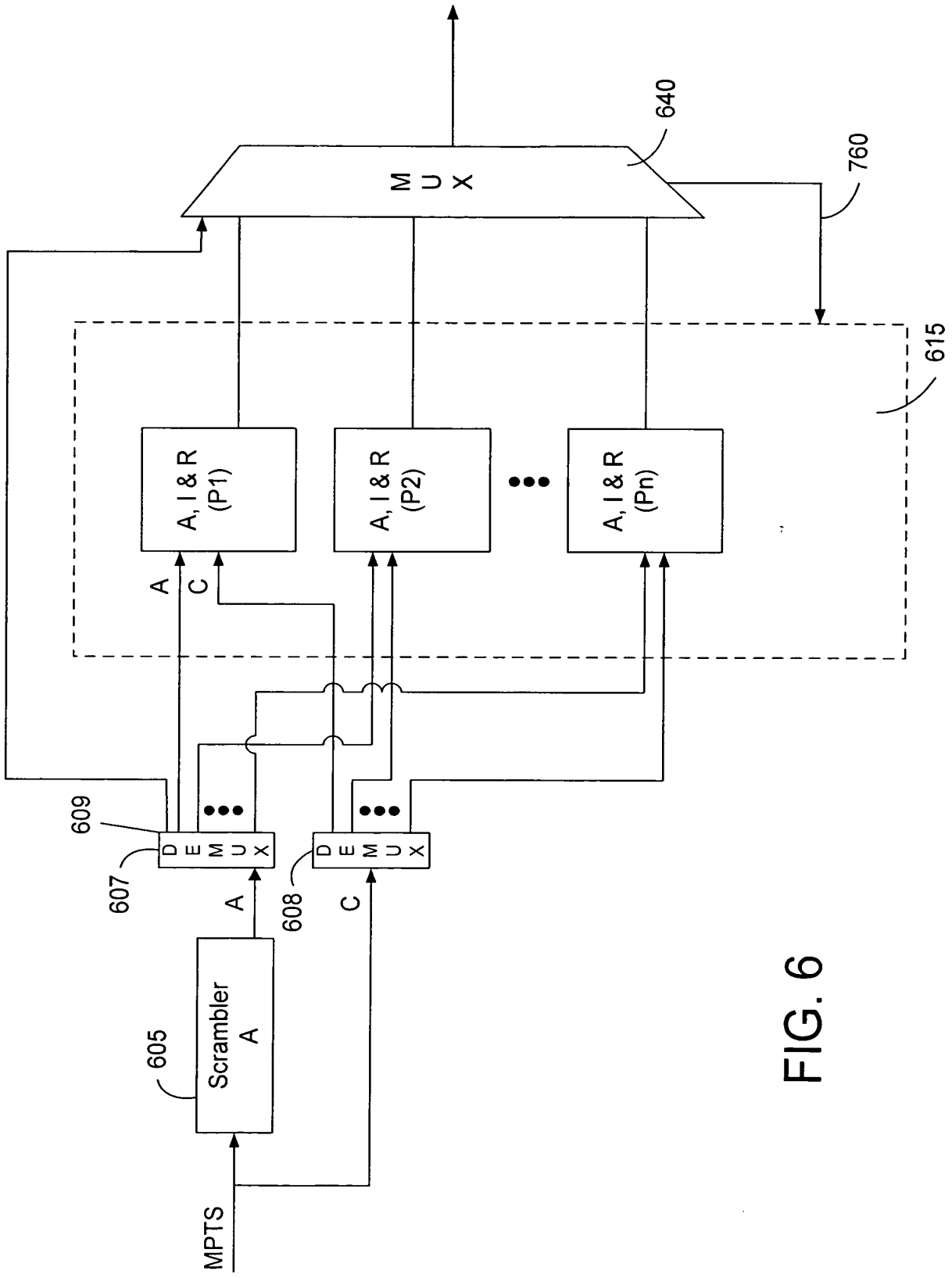
MUX
640
760
615
A, I & R (P1)
A, I & R (P2)
A, I & R (Pn)
A
C
609
607
608
DEMUX
Scrambler A
605
MPTS

FIG. 6

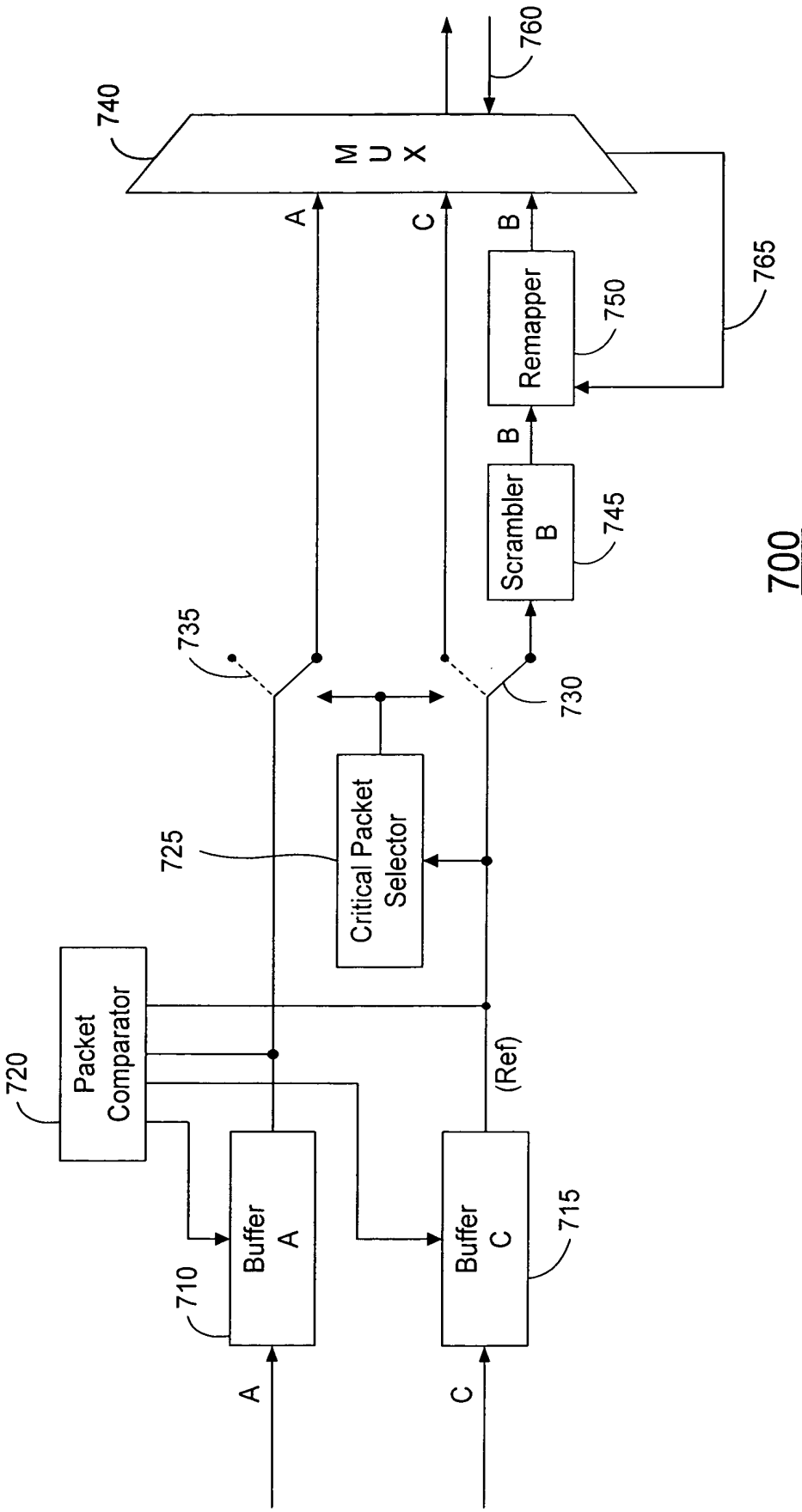
760
740
MUX
A
C
B
765
Remapper
750
B
Scrambler B
745
735
730
725
Critical Packet Selector
720
Packet Comparator
(Ref)
710
Buffer A
Buffer C
715
A
C
700

FIG. 7

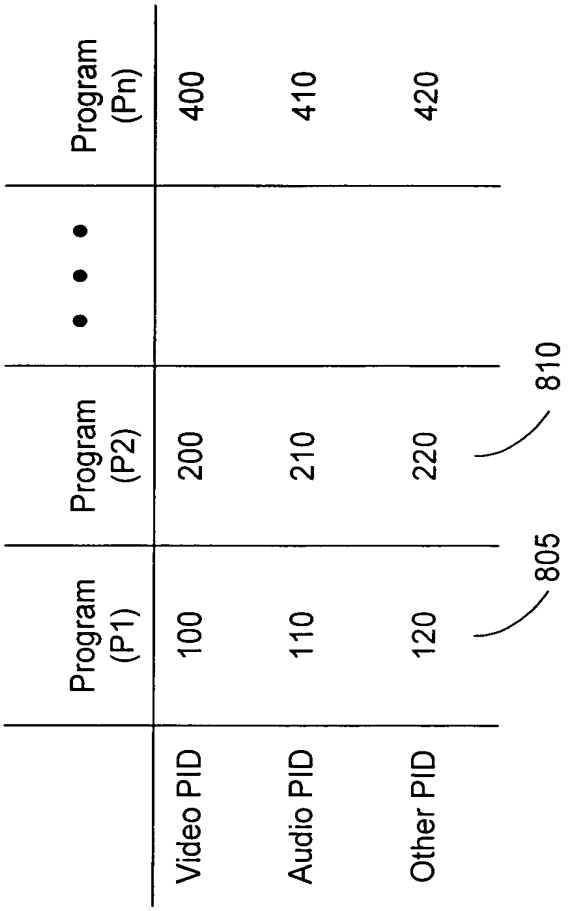
Video PID
Audio PID
Other PID
Program (P1)
100
110
120
805
Program (P2)
200
210
220
810
• • •
Program (Pn)
400
410
420

FIG. 8

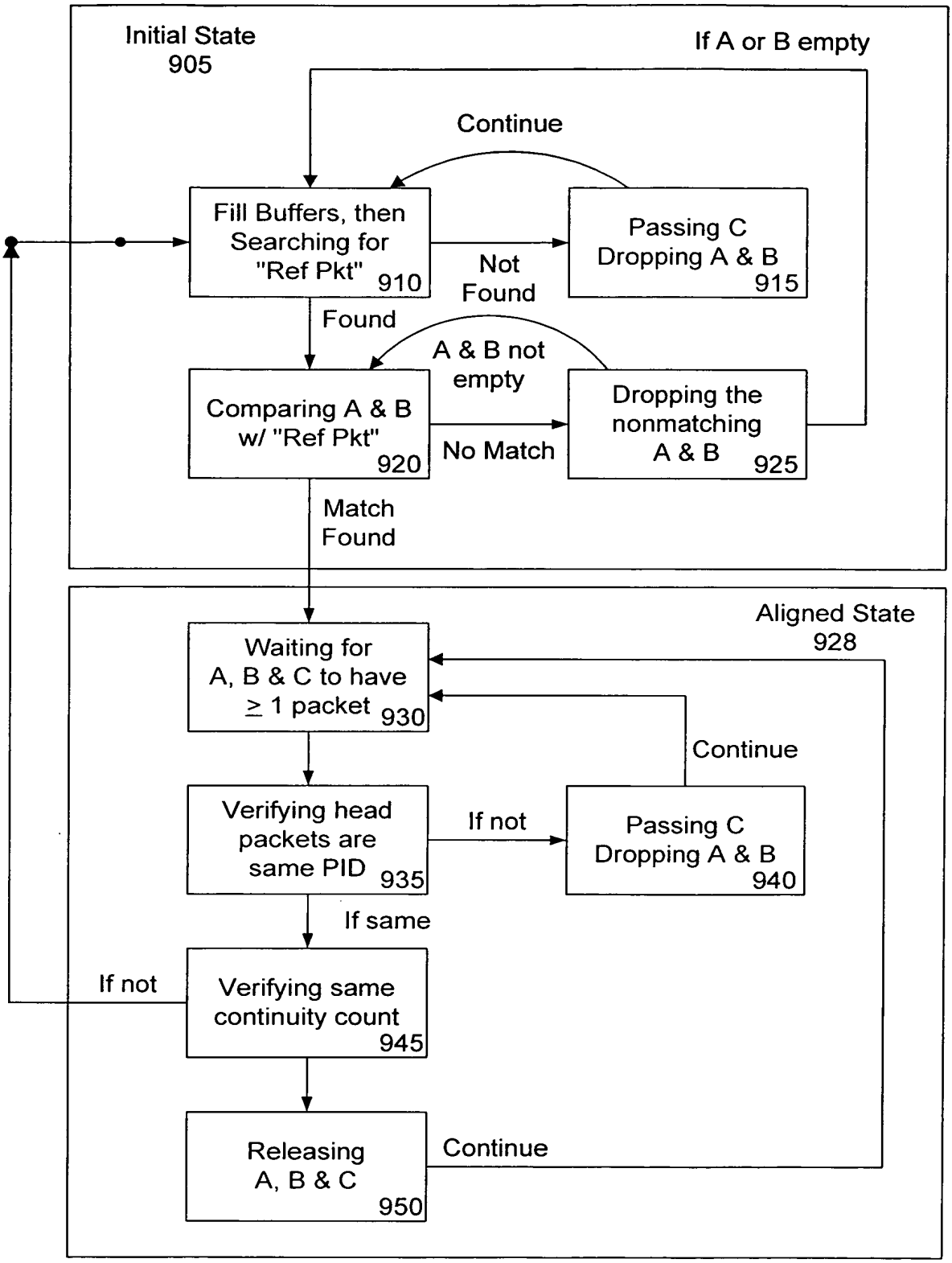
Initial State
905
If A or B empty
Continue
Fill Buffers, then Searching for "Ref Pkt" 910
Not Found
Passing C Dropping A & B 915
Found
A & B not empty
Comparing A & B w/ "Ref Pkt" 920
No Match
Dropping the nonmatching A & B 925
Match Found
Aligned State
928
Waiting for A, B & C to have ≥ 1 packet 930
Continue
Verifying head packets are same PID 935
If not
Passing C Dropping A & B 940
If same
If not
Verifying same continuity count 945
Releasing A, B & C 950
Continue

FIG. 9